

QAY300



ZOOMLION

Product Highlights

1 The longest main boom in the industry

- The longest main boom among models of the same class in the industry, boasting a length of 80 meters when fully extended and internationally advanced patented boom predeformation technology.
- Boom plates with the highest strength: imported WELDOX1100.
- Fully automatic telescoping control of main boom and one-key telescoping operation to avoid man-made incorrect operation.

2 Self assembly & disassembly super-lifting device

- The most advanced 'Y' type super-lifting technology in the industry that can realize self assembly & disassembly, thus reducing operation costs and improving product flexibility.
- The only mature and widely-used super-lifting winch (ZOLLERN from Germany: inventor of super-lifting winch).

3 Advanced technologies

- Electrohydraulic servo control all-wheel steering technology, featuring flexible steering, multiple steering modes and minimum tyre wearing.
- Disc brake technology, boasting strong braking force and a service life that is 3 to 5 times that of drum brake.
- Engines for superstructure and chassis from the same brand (Benz), interchangeable parts and easy maintenance.

4 Excellent lifting performance

- Super-lifting that matches perfectly with the main boom, being the best among models of the same class with super-lifting capability.
- The only product in the industry equipped with "heavy-duty jib", thus significantly improving product performance and satisfying demands of work modes like wind turbine maintenance, etc.

Technical Specification

Item		Value	Remarks	
Work performance	Max. rated lifting capacity	kg	300000	
	Max. load moment of basic boom	kN.m	8750	
	Max. lifting height of main boom	m	80	
	Max. lifting height of jib	m	112	
			The parameters do not include deflection of main boom and jib. The value in the brackets is the value with extensions installed.	
Work speeds	Max. hoist rope speed (Main winch)	m/min	113	
	Max. hoist rope speed (Auxiliary winch)	m/min	56	
	Boom extending time	min	18	
	Boom derricking up time	s	100	
	Slewing speed	r/min	0 ~ 1.3	
Driving	Max. height above sea level	m	2000	
	Max. driving speed	km/h	72	
	Approach angle	°	18	
	Leave angle	°	15	
	Max. gradeability	%	50	
	Min. turning diameter	m	24	
	Min. ground clearance	mm	355	
	Limits for exhaust pollutants and smoke	Conform to related standards	GB3847-2005 GB17691-2005 National Stage IV	
Fuel consumption per hundred kilometers	L	85		
Mass	Deadweight in driving condition	kg	72000	
	Axle load	kg	12000	
Dimensions	Overall dimensions (L × W × H)	mm	17752×3000×4000	
	Outrigger spread (L)	m	8.8	
	Outrigger spread (W)	m	8.8	
	Main boom length	m	15.4 ~ 80	
	Boom angle	°	-0.6 ~ 82	
	Light jib length	m	12 ~ 32	
	Heavy jib length	m	16 ~ 32	
	Offset	°	0、15、30	
Chassis	Model	ZLJ5721 QA		
	Type	II		
	Engine	Model	OM502LA	
		Max. rated power	kW/r/min	405
		Max. output torque	N.m/r/min	2700
Manufacturer	BENZ			
Others	"Y"-guying system	yes		

